

UNITED ARAB EMIRATES

SHARJAH MUNICIPALITY

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دولة الإمارات العربية المتحدة

بلدية الشارقة

إدارة المختبرات المركزية
قسم مختبر مواد البناء

الهاتف: ٥٤٣٦٧٥٥ فاكس: ٥٤٣٧٥٦٠

REPORT ON:

THERMAL TRANSMISSION PROPERTIES BY MEANS OF HEAT FLOW METER

LABORATORY	THERMAL INSULATION	REPORTING DATE	21/01/08
REPORT NO.	2008-86002	SAMPLE ID. NO.	115078
PROJECT NAME	QC/QA TESTING SERVICE FOR FUTURE NET GENERAL TRADING		
MANUFACTURER/CUSTOMER	FUTURE NET GENERAL TRADING		
ADDRESS	P.O. BOX 64835, IND. AREA # 4, SHARJAH		
CONSULTANT	NO SPECIFIC CONSULTANT		
PROJECT LOCATION	NO SPECIFIC LOCATION		
SOURCE	FUTURE NET GENERAL TRADING - SHARJAH		
STRUCTURE	N.G.		
SAMPLE DESCRIPTION	CELLULAR LIGHTWEIGHT CONCRETE (DENSITY 700 kg/m ³)		
SAMPLE TYPE	FLAT SLAB -AIR-ENTRAINED (FOAM) CONCRETE		
SPECIMEN SIZE (mm)	302*301*49.5mm		
SPECIMEN /TEST CONDITION	35 ± 2 °C, 60 ± 5% RH, 72h	MOISTURE CONTENT @ 35 ± 2 °C, 60 ± 5% RH	N.D.
SUPPORT/FACING	N.A.	DATE OF SAMPLING	01/01/08
SKINS	N.A.	DATE OF RECEIVING	07/01/08
LAB. SPECIMEN NO.	FM-1	DATE OF TESTING STARTED	13/01/08
QUANTITY OF SPECIMEN (NO.)	1	DATE OF TESTING COMPLETED	16/01/08
LOT SIZE / NO.	N.G.	NOMINAL THICKNESS (mm)	50
SENDER NO.	D700	NOMINAL DENSITY, kg/m ³	700
DENSITY @ 35 ± 2 °C, 60 ± 5% RH , kg/m ³	759.0		

TEST RESULTS:

SPECIMEN THICKNESS (MEASURED)	SPECIMEN DENSITY (MEASURED)	MEAN TEMP.	THERMAL CONDUCTIVITY		THERMAL RESISTANCE	
mm	kg/m ³	°C	W/(m.°K)	(Btu.in/ft ² .°F.h)	(m ² .°K)/W	(°F.h.ft ² /Btu)
49.5	759.0	34.47	0.2280	1.5808	0.2247	1.2757

SAMPLED BY : FUTURE NET GENERAL TRADING-SHARJAH
 SAMPLE BROUGHT IN BY : FUTURE NET GENERAL TRADING-SHARJAH
 SAMPLING METHOD : N.G.
 TEST METHOD : ASTM C 518 - LAMBDA HEAT FLOW METER APPARATUS
 REMARK :

THIS TEST REPORT REPRESENTS THE SAMPLE TESTED ONLY.

TESTED BY: *WAKH*



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